

Hannah J Blatchford

PhD Candidate, Department of Earth Sciences, University of Minnesota, Minneapolis, MN, USA
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EDUCATION:

University of Minnesota

Minneapolis, MN 2016-present
PhD, Geology
Cumulative GPA: 3.79
Advisors: Donna L. Whitney,
Christian Teyssier
Dissertation (in progress):
Reading the record of ultrahigh-
pressure terrane exhumation in
meters-scale shear zones,
Western Gneiss Region, Norway

University of Vermont

Burlington, VT 2014-2016
MSc, Geology, 2016
GPA: 4.00
Advisor: Keith A. Klepeis
Thesis: *The structural evolution
of a portion of the Median
Batholith and its host rock in
central Fiordland, New Zealand:
Examples of partitioned
transpression and structural
reactivation*

Beloit College

Beloit, WI 2008-2012
BSc, Geology, 2012
GPA: 3.63
Advisor: Carl V. Mendelson
Thesis: *Geochemical
Characterization of Tidal Coves
of the Connecticut River Estuary*

FUNDING (RESEARCH AND CONFERENCE):

UMN Career Development grant \$489.50
Total 2017 GSA conference funding \$355.00
ExxonMobil/GSA Student Grant \$5000.00
Total 2015 GSA conference funding \$200.00
UVM Graduate Student Senate grant \$300.00
UVM Ronald Suiter Prize \$1000.00

HONORS AND AWARDS:

John W. Gruner Fellowship (UMN)
Forrest Fellowship (UMN)
Graduate TA award (UVM)
Nomination for USGS/NAGT internship (Beloit)
Walter S. Haven Geology Prize (Beloit)
Laboratory TA award (Beloit)
Hank Woodard Endowed Scholarship (Beloit)

ABSTRACTS:

- Blatchford, H.J.**, Whitney, D.W., Teyssier, C., Gordon, S.M., Hauge, D., 2018, The record of giant UHP terrane exhumation preserved in lithologically-diverse, meters-scale shear zones: An integrated trace element thermobarometry and microstructural study of eclogite and gneiss from the Western Gneiss Region, Norway: Geological Society of America Abstracts with Programs, v. 50, No. 6.
- Gordon, S.M, Reddy, S.M., **Blatchford, H.**, Whitney, D.L., Kirkland, C.L., Teyssier, C., Evans, N.J., and McDonald, B., 2017, Deformation Enhanced Recrystallization of Titanite: Insight from the Western Gneiss Region Ultrahigh-Pressure Terrane, Abstract V12B-06 presented at 2017 Fall Meeting, AGU, New Orleans, LA., 11-15 Dec.
- Blatchford, H. J.**, Klepeis, K. A., Schwartz, J. J., Turnbull, R., and Jongens, R., Coble, M.A., 2017, Partitioning of strain in mid- and lower-crustal levels during an arc flare-up, Median Batholith, Fiordland, New Zealand: Geological Society of America Abstracts with Programs, v. 49. No. 6.
- Klepeis, K., Webb, L. E., **Blatchford, H. J.**, Schwartz, J. J., Turnbull, R., and Jongens, R., 2017, Unraveling a history of repeated fault reactivations and differential uplift above a young subduction zone in SW New Zealand: Geological Society of America Abstracts with programs, v. 49. No. 6.
- Blatchford, H.J.**, Gilbert, J.B., Klepeis, K., Schwartz, J.J., Turnbull, R.E., Jongens, R., and Stowell, H.H., 2015, Oblique intra-arc convergence and transpression accompanying high-flux magmatism in the mid-lower crust of a Mesozoic continental arc in Fiordland, New Zealand: Geological Society of America Abstracts with Programs, v. 47, no. 7.

Dovick, M. A., Kulp T. R., Pilliod, D. S., Arkle, R. S., and **Blatchford, H. J.**, 2012, The behavior and transfer of arsenic and antimony from gold mining operations on aquatic systems, tadpoles and other organisms: Geological Society of America Abstracts with Programs, v. 44, no. 7, p. 340.

O'Connell, S, **Blatchford, H.**, Jacobacci, K., Martin, D., George, E., Abbott, T., and Hubbard, E., 2012, Three coves on the lower Connecticut River: Geological Society of America Abstracts with Programs, v. 44, no. 2, p. 84.

Blatchford, H. J., 2012, Geochemical characterization of tidal coves of the Connecticut River Estuary: Proceedings of the Twenty-fifth Annual Keck Research Symposium in Geology, p. 281-286.

TEACHING EXPERIENCE (TA):

Summer Field Camp (UMN)	Governor's Institute of Vermont SEM instructor
Introductory geology (UMN)	Structural Geology (UVM)
Solid Earth Geodynamics (UMN)	Field Geology (UVM)
	Earth History (Beloit College, UVM)

OUTREACH AND SERVICE:

UMN ESCI graduate student representative at faculty meetings
 UMN Council of Graduate Students (COGS) department representative (2018)
 UMN COGS graduate student travel grant reviewer (2018)
 Geology presentations to Minneapolis area public school students (2018)
 Field trip assistant, showed local geology and field geology teaching techniques to VT public school STEM teachers (2015, 2016)

INTERNSHIPS AND INDUSTRY EXPERIENCE:

Logging Geologist III Horizon Well Logging, LLC, Tulsa, OK	Jul. 2013 – Jul. 2014
NAGT/USGS Cooperative Field Training Program Intern Snake River Field Station, Boise, ID and SUNY Binghamton, Binghamton, NY	Jun. 2012 – Oct. 2012
Keck Geology Consortium Intern Wesleyan University, Middletown, CT	Jun. 2011 – Jul. 2011

PROFESSIONAL AFFILIATIONS:

American Geophysical Union (member since 2018)
 Geological Society of America (member since 2009)
 Mineralogical Society of America (member since 2016)

WORKSHOP AND SHORT COURSE ATTENDANCE:

Statistical treatment of structural geology data	2015 GSA annual meeting
Petrochronology	2017 GSA annual meeting
NSF workshop on structural geology data standards and vocabulary	2018 AGU annual meeting
Annual SIMS workshop	